



# CYBER SECURITY, A.A.S.

## 5xCOURSES THAT FULFILL GENERAL EDUCATION REQUIREMENTS

CONTENT AREA	COURSE NUMBER AND COURSE TITLE	TOTAL CREDITS
ENGLISH & COMMUNICATION	ENG 1021: ENGLISH COMPOSITION I (REQUIRED) ENG 1022: ENGLISH COMPOSITION II (REQUIRED)	6
MATHEMATICS	MAT 1340: COLLEGE ALGEBRA (REQUIRED)	4
BUSINESS	BUS 1015: INTRODUCTION TO BUSINESS (REQUIRED) BUS 2017: BUSINESS COMMUNICATION AND REPORT WRITING (REQUIRED)	6
GENERAL EDUCATION CREDITS		16

## ADDITIONAL REQUIRED COURSES FOR CYBER SECURITY, A.A.S.

CONTENT AREA	COURSE NUMBER AND COURSE TITLE	TOTAL CREDITS
COMPUTER INFORMATION SYSTEMS	CIS 1018: INTRODUCTION TO PC APPLICATIONS (REQUIRED)	3
COMPUTER INFORMATION SYSTEMS	CIS 1028: OPERATING SYSTEM: WINDOWS 10, OSX, LINUX (REQUIRED)	3
COMPUTER INFORMATION SYSTEMS	CIS 2003: TECHNOLOGY FOR CAREER SUCCESS (ONLINE ONLY) (REQUIRED)	2
COMPUTER INFORMATION SYSTEMS	CIS 2023: LINUX (REQUIRED)	3
COMPUTER INFORMATION SYSTEMS	CIS 2068: SYSTEMS ANALYSIS AND DESIGN I (REQUIRED)	3
COMPUTER NETWORKING TECHNOLOGY	CNG 1001: NETWORKING FUNDAMENTALS (REQUIRED)	3
COMPUTER NETWORKING TECHNOLOGY	CNG 1024: NETWORKING I: NETWORK + (REQUIRED)	3
COMPUTER NETWORKING TECHNOLOGY	CNG 1031: PRINCIPLES OF INFORMATION ASSURANCE (REQUIRED)	3
COMPUTER NETWORKING TECHNOLOGY	CNG 1032: NETWORK SECURITY FUNDAMENTALS (REQUIRED)	3
COMPUTER NETWORKING TECHNOLOGY	CNG 1042: INTRODUCTION TO CLOUD COMPUTING (REQUIRED)	3
COMPUTER NETWORKING TECHNOLOGY	CNG 2011: WINDOWS CONFIGURATION: (WINDOWS 10) (REQUIRED)	3
COMPUTER NETWORKING TECHNOLOGY	CNG 2056: VULNERABILITY ASSESSMENT I (REQUIRED)	3
COMPUTER NETWORKING TECHNOLOGY	CNG 2057: NETWORK DEFENSE AND COUNTERMEASURES (REQUIRED)	3
ADDITIONAL PROGRAM CREDITS		38

## ELECTIVE COURSES (SELECT 6 CREDITS)

CONTENT AREA	COURSE NUMBER AND COURSE TITLE	TOTAL CREDITS
SELECT 2 COURSES	CIS 2002: AUTOMATED PROJECT MANAGEMENT CIS 2067: MANAGEMENT OF INFORMATION SYSTEMS CIS 2080: INTERNSHIP CSC 1019: INTRODUCTION TO PROGRAMMING	6
TOTAL CREDIT HOURS		60



# CYBER SECURITY, A.A.S.

## Recommended order of courses<sup>1</sup>

(The department recommends taking the courses in this order to complete the degree.)

FOR COURSES THAT ARE NOT REQUIRED: If you cannot register for the course on this map or want to take one that is not listed, please talk to your pathway advisor.)

SEMESTER 1	CREDITS
ENG 1021: English Composition I (REQUIRED)	3
MAT 1340: College Algebra (REQUIRED)	4
CIS 1018: Introduction to PC Applications (REQUIRED)	3
CIS 1028: Operating Systems: Windows, OSX, Linux (REQUIRED)	3
CNG 1001: Networking Fundamentals (REQUIRED)	3
SEMESTER CREDITS	16
SEMESTER 2	CREDITS
CIS 2023: Linux (REQUIRED)	3
CNG 1024: Networking I: Network + (REQUIRED)	3
CNG 1031: Principles Of Information Assurance (REQUIRED)	3
CNG 2011: Windows Configuration: (WINDOWS 10) (REQUIRED)	3
BUS 1015: Introduction to Business (REQUIRED)	3
SEMESTER CREDITS	15
SEMESTER 3	CREDITS
ENG 1022: English Composition II (REQUIRED)	3
BUS 2017: Business Communication & Report Writing (REQUIRED)	3
CNG 1032: Network Security Fundamentals (REQUIRED)	3
CNG 1042: Introduction To Cloud Computing (REQUIRED)	3
CIS 2002: Automated Project Management OR CIS 2067: Management of Information Systems OR CIS 2080: Internship OR CSC 1019: Introduction to Programming	3
SEMESTER CREDITS	15
SEMESTER 4	CREDITS
CIS 2003: Technology for Career Success (ONLINE) (REQUIRED)	2
CIS 2068: Systems Analysis and Design I (SPRING ONLY)(REQUIRED)	3
CNG 2056: Vulnerability Assessment I (REQUIRED)	3
CNG 2057: Network Defense And Countermeasures (REQUIRED)	3
CIS 2002: Automated Project Management OR CIS 2067: Management of Information Systems OR CIS 2080: Internship OR CSC 1019: Introduction to Programming	3
SEMESTER CREDITS	14

<sup>1</sup> Placement into courses is dependent on test scores or credit for prior learning. See a Pathways Advisor for details. Plans that include ESL, CCR, and AAA courses will increase the total number of hours to completion.